

CITY OF AUGUSTA, GA

ENGINEERING DEPARTMENT



ENGINEERING MAINTENANCE
2014 BUDGET HEARING
SEPTEMBER 19, 2013

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE PRESENTATION AGENDA

- A Brief Overview of Engineering Maintenance Responsibilities
 - Current Maintenance Program & Required Funding for a Successful Program
 - Maintenance Pictures
 - Other Funding Related Issues
 - Questions, Comments, etc.

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE ENGINEERING MAINTENANCE BREAKDOWN

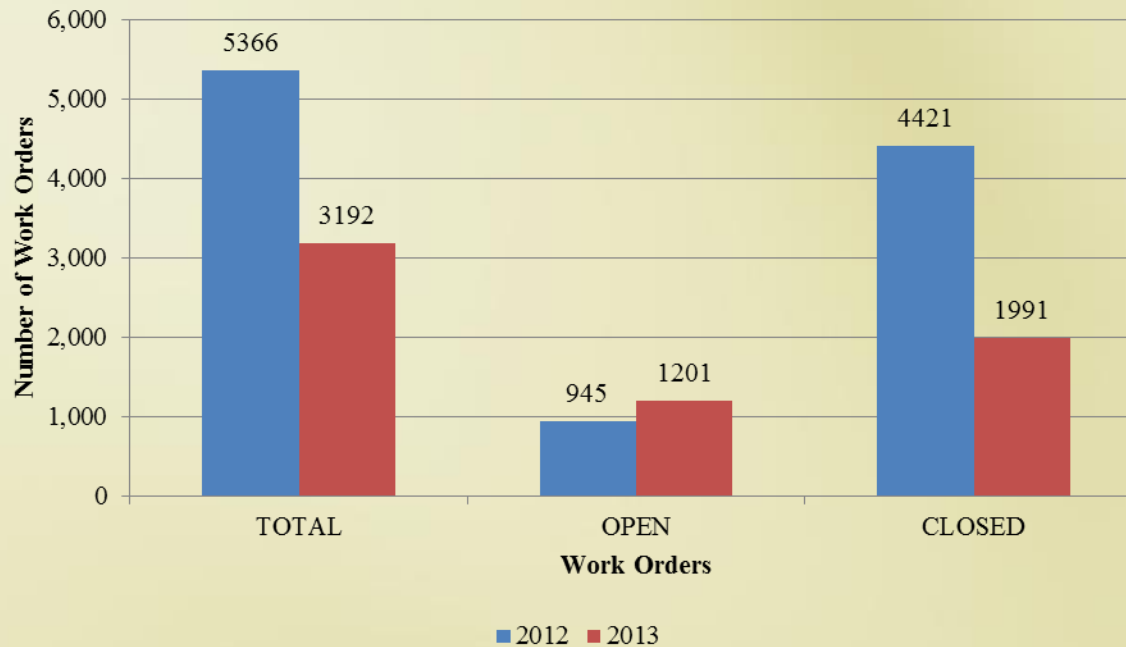
- Since May 2011, The Engineering Department has taken on the Maintenance Responsibilities below:

ENGINEERING DIVISION		TRAFFIC ENGINEERING DIVISION	
1.	Right-of-Way/Easement Mowing	1.	Potholes/Paving
2.	Detention and Retention Ponds	2.	Trees
3.	Storm Drain System Cleaning	3.	Guardrails
4.	Storm Drain System Replacement (CMPs, etc.)	4.	Driveways
5.	Channels/Creeks Maint.		
6.	Special Structures (e.g., Levee, Lakes, etc.)		

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

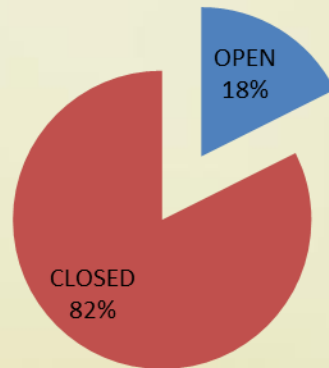
2012 & 2013 WORK ORDER SUMMARY



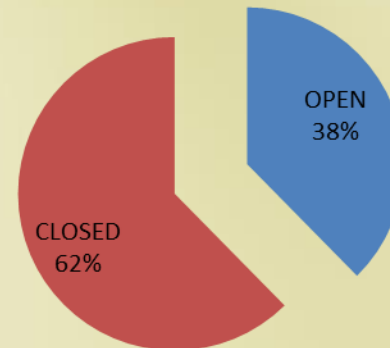
CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

2012 WORK ORDERS



2013 WORK ORDERS



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

Engineering Maintenance Goals and Objectives.

- Transition from Reactive to Proactive.
 - Generate and/or receive necessary funding to operate.
 - Employ necessary staff , purchase necessary equipment, and expand On-call Contractor services.
 - Generate realistic preventative maintenance schedules.
 - Increase customer services through the Department and 311.

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

EXISTING PROGRAM & RESOURCES REQUIRED TO BE A SUCCESSFUL PROGRAM

ENGINEERING DIVISION			
EXISTING CREWS		PROPOSED CREWS	
CREW	NO. OF PERSONNEL	CREW	NO. OF PERSONNEL
Concrete (1 crew)	3	Concrete (3 crews)	9
Grading (1 crew)	3	Grading (3 crews)	9
Grade All Crew (1 crew)	4	Grade All Crew (3 crews)	12
Vac-Con (1 crew)	2	Vac-Con (3 crews)	6
Downtown Maint. (1 crew)	7	Downtown Maint. (2 crews)	14
TOTAL:		TOTAL:	50

INMATE CREW			
EXISTING CREWS		PROPOSED CREWS	
CREW	NO. OF PERSONNEL	CREW	NO. OF PERSONNEL
Inmates (4 crews)	5+/- Inmates per crew	Inmates (10 crews)	8+/- Inmates per crew

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE EXISTING PROGRAM & RESOURCES REQUIRED TO BE A SUCCESSFUL PROGRAM

TRAFFIC ENGINEERING DIVISION			
EXISTING CREWS		PROPOSED CREWS	
CREW	NO. OF PERSONNEL	CREW	NO. OF PERSONNEL
Tree (1 crew)	4	Tree (3 crews) & Arborist	13
Potholes/Paving (1 crew)	6	Pothole/Paving (3 crews)	18
Guardrails (0 crew)	0	Guardrails	On-Call
TOTAL:		TOTAL:	31

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE EXISTING PROGRAM & RESOURCES REQUIRED TO BE A SUCCESSFUL PROGRAM

ENGINEERING DEPARTMENT - MAINTENANCE EQUIPMENT REQUIRED			
EXISTING		PROPOSED	
EQUIPMENT	NO. OF EQUIPMENT	EQUIPMENT	NO. OF EQUIPMENT
Vac-Con	1	Vac-Con	3
Grade All	1	Grade All	3
Dump Truck (Tandem)	9	Dump Truck (Tandem)	16
Excavator/Long arm	0	Excavator/Long arm	1
Pothole Patcher	2	Pothole Patcher	3

CITY OF AUGUSTA, GA

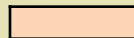
ENGINEERING MAINTENANCE

PROJECTED COST OF SERVICES

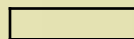
Operation and Preventative Maintenance	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Catchbasin/Junction/Outfall Maintenance	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
Pond/Lake Maintenance	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,250,000
ROW Maintenance/Mowing	\$1,000,000	\$1,000,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,600,000
Storm Sewer Maintenance	\$100,000	\$500,000	\$250,000	\$250,000	\$250,000	\$1,350,000
Ditch Maintenance	\$200,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,200,000
Easement Maintenance	\$100,000	\$400,000	\$300,000	\$200,000	\$200,000	\$1,200,000
Emergency Repairs	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Bridge/Culvert Maintenance	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,100,000
Channel Creek Maintenance	\$200,000	\$500,000	\$400,000	\$400,000	\$400,000	\$1,900,000
Special Stormwater Structures (Levee, Dam, etc.)	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$450,000
Trees	\$1,000,000	\$500,000	\$500,000	\$200,000	\$200,000	\$2,400,000
Potholes/Paving	\$250,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,250,000
Guardrails	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Subtotal:	\$4,150,000	\$5,900,000	\$5,650,000	\$5,250,000	\$5,250,000	\$26,200,000



Stormwater related.



Stormwater related depending on root cause.

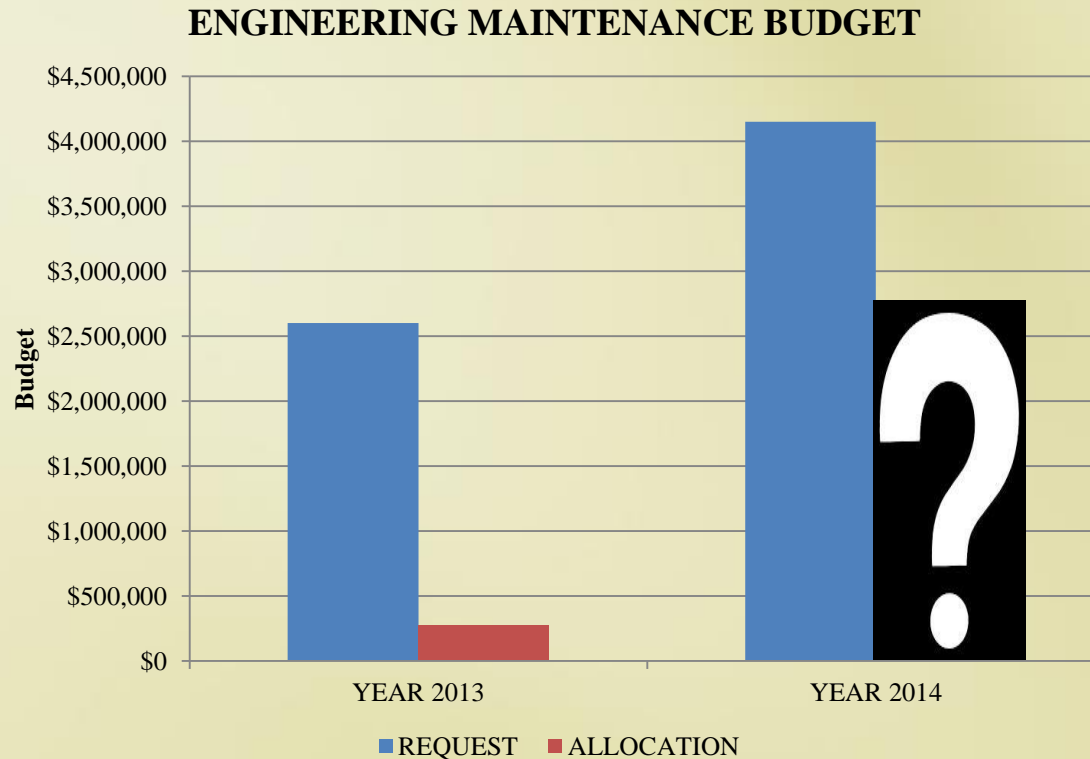


Not stormwater related.

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

PAST BUDGET REQUESTS AND ALLOCATIONS



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE

\$2.00 SUNDAY, SEPTEMBER 8, 2013 SAVANNAHNOW.COM LIGHT OF THE COASTAL EMPIRE

A concert and fundraiser honoring Willie Paige will be held at City Market from 7-9 p.m. today.

Musicians host tribute to Willie Paige

BY KIM WADE
912-452-0565
kim.wade@savannahnow.com

Some people go through life, angry at the universe for the bad hand they were dealt, never making friends in any real connection with the outside world.

That wasn't the case for Willie Paige. "We never knew a man of means," says Cheryl Turner, a medical social worker for Tricore Advantage. "He really had a difficult life, but you'd never know it by seeing and talking to Willie. A lot of times, we don't know what was going on in Willie's personal life. He was always happy, always had kind words for people — one for every one of the people who had been unkind to him."

SEE FAREWELL, PAGE 10A

Savannahians pray for peace

Mass held for Syria

BY COREY DICKSTEIN
912-452-0565
corey.dickstein@savannahnow.com

As the United States Congress continued to consider a military strike on war-torn Syria, more than two dozen people gathered in a Savannah cathedral Saturday to pray for peace.

The Rev. Gerard Schalk, rector of the Cathedral of St. John the Baptist, led a noon Mass at the downtown Savannah cathedral in which he urged those in attendance to join him in praying specifically for the people of Syria.

SEE PEACE, PAGE 7A

MOORE ON SYRIA: U.S. leaders tried to rally support on Saturday for a military strike against Syria, running into resistance from European allies, skeptics in Congress and the American public. 3A

LIKE US on Facebook at [savannahnow](#)

St. Joseph's/Candler presents smart women featuring actress & best-selling author Marla Henner

Wednesday, October 9, 2013
Savannah International Trade & Convention Center

sponsored in part by: Savannah Morning News, WSAV 3, FOX 32

City's tree program now under scrutiny

ABOVE: Sam Lee piles up tree limbs as Keith Ford trims an oak along 5th Street near Montgomery Street on Wednesday. BELOW: Keith Ford works under the canopy of a giant oak along 5th Street as he trims the limbs Wednesday morning.

"We prevent thousands of injuries a year by addressing priorities in a responsible way," Jerry Flemming, park and tree department director.

TODAY 1:01/69 Mostly sunny, breezy. 2A Driving to Swan Keys, 10 Oakley Plaza (Savannah) joined

CONTACT US If you need an article of local news, call Savannah executive editor at 912-452-0567

\$12M verdict puts Savannah maintenance plan in spotlight

BY ERIC CURR
eric.curr@savannahnow.com

Reasonable people agree what happened in Shasta Green is a tragedy.

Empathy for a woman losing a leg from a falling limb is so normal as picturing streets lined with live oaks when Savannah comes to mind.

The question being asked is how something so beautiful could have something so horrible — and whether the city could have done to prevent it.

Many of the 65,000 live oaks, magnolias, oaks and other trees that make up Savannah's urban forest were planted after the Sea Islands hurricane of 1902 took a devastating toll on the city's landscape.

The trees are cared for on a daily basis by forestry maintenance workers such as Jim Davis and Chris Jackson, who were busy removing potentially dangerous limbs on 87th Street Wednesday.

One limb on a live oak hanging over the street was rubbing against another tree's branch, which could cause one of them to break, Davis said.

"I take out the weakest of the two," he said.

Six such two-man crews typically go out each day, placing new braca, pruning others to make sure they grow in accordance with their urban environment, and removing diseased or dying ones that pose a hazard, said Jerry Flemming, park and tree department director.

"We prevent thousands of injuries a year by addressing priorities in a responsible way," Flemming said.

Davis and Jackson are two of the 17 employees in the city's forestry division. That was less employees than the number working in the division when a limb fell from a tree at Third and Lee Road on July 1, 2010, and impaled the Dodge Dakota in which Green was riding, according to records provided by the city.

SEE TREES, PAGE 11A

WATH YEAR VOL 253 6 73225 00155 1 FOR DELIVERY OR BILLING PROBLEMS: 912-236-0377

TICKETS NOW ON SALE All proceeds to benefit the Telfair-Hemphill Foundation

Call (912) 819-9683 or email sjcmartwomen@sjschs.org

CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING MAINTENANCE



CITY OF AUGUSTA, GA

ENGINEERING DEPARTMENT

Other Engineering Department Requests and Concerns.

1. With the New Transportation Investment Act (TIA), A Request for Pay Increase for Staff except the Director of Engineering.
2. Continued Compensation Support for Employees that receive Approved Degrees, Licenses, and Certifications.

QUESTIONS, COMMENTS, & ANSWERS